

Datasheet for ABIN7111327 **anti-ADAR antibody**



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Overview

Quantity:	100 µg
Target:	ADAR
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADAR antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	adenosine deaminase, RNA-specific
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	ADAR
Alternative Name:	ADAR1 (ADAR Products)
Background:	Synonyms:ADAR, ADAR1, adenosine deaminase, RNA, DRADA, DSH, DSRAD, G1P1, IFI 4, IFI4, Interferon inducible protein 4, K88dsRBP, p136 Background:ADAR1 is also named as ADAR1, DSRAD, G1P1, IFI4. It convert selected adenosine residues into inosine in substrate RNAs

Target Details

containing a relatively short dsRNA region(PMID:15556947). The human ADAR1 gene specifies two size forms of RNA-specific adenosine deaminase, an interferon(IFN) inducible ?150 kDa protein and a constitutively expressed N-terminally truncated ?110 kDa protein, encoded by transcripts with alternative exon 1 structures that initiate from different promoters(PMID:11111054). It has 5 isoforms produced by alternative promoter usage and alternative splicing. Defects in ADAR are a cause of dyschromatosis symmetrical hereditaria(DSH).ADAR1 can form respective homodimers, and this association is essential for its enzymatic activities(PMID:17428802).

Molecular Weight:	110 kDa
Gene ID:	103
UniProt:	P55265
Pathways:	Protein targeting to Nucleus

Application Details

Application Notes:	WB: 1:500-1:2000, IHC: 1:50-1:200, IP: 1:200-1:1000, IF: 1:20-1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
Expiry Date:	12 months